User Manual

Version 1.0.0

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1. Features and function

Thanks for using JANUS V2 1.0.0 It integrates the vehicle DVR system with leading-edge technology, GPS to create the new generation vehicle surveillance system.
This state of art system not only records H.264 video and CD quality audio, but also manage events happening on vehicle.

- Non stop recording

  Recording inside and front view while its driving.
  Available to manage the recording speed and resolution
  Recording speed – Max.50 fps (channel/25fps).
  Recording resolution – VGA (640 x 480), CIF (320 x 240)

- Event archiving

  Automatically recording when event occurs.
  (Manage the setup: Initially setup: 20 seconds)

  Events – Emergency (Emergency button)
  Impact/shocking (Physically impact)
  Sudden acceleration or brake

  Start to recording 2 ~ 5 seconds before and 10 ~ 30 seconds after the event.

- Analyze live image, audio, speed and location
  Easy to find an accident / incident location (e-map) since GPS system is installed.

- Night viewing

  IR LED is perfect for the night recording.
  (No necessary to turn on the light when it's recording)

2. Warnings and Cautions

Do not clean the unit with water or volatile solvent.(can be damaged the product or might cause of fire or electric shock

Don’t try to insert or put unknown substance into unit. (Might cause a fire Or electric shock.)

Do not segregate or open the unit and remodel it. (It’s not our responsible For when unit has Occurs error since remodeled by user)

Avoid heavy sun shade (Image will be faint or distorted.)

Avoid dust on the cameras and keep the unit away from the direct ray of light

Do not use anymore when overheating or see the smoke from the unit

Please adjust the unit before you drive the vehicle. (might be cause of accident .)

Take out the SD memory card when after turn off the unit completely (might cause of loss of saving)

3. Product contents

JANUS V2

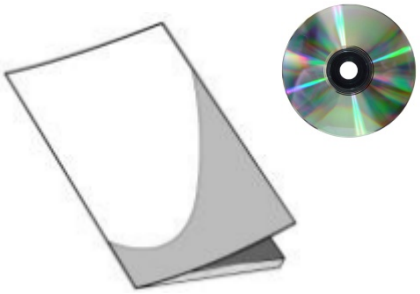
Power cable/Cigar jack

Emergency Extension Button

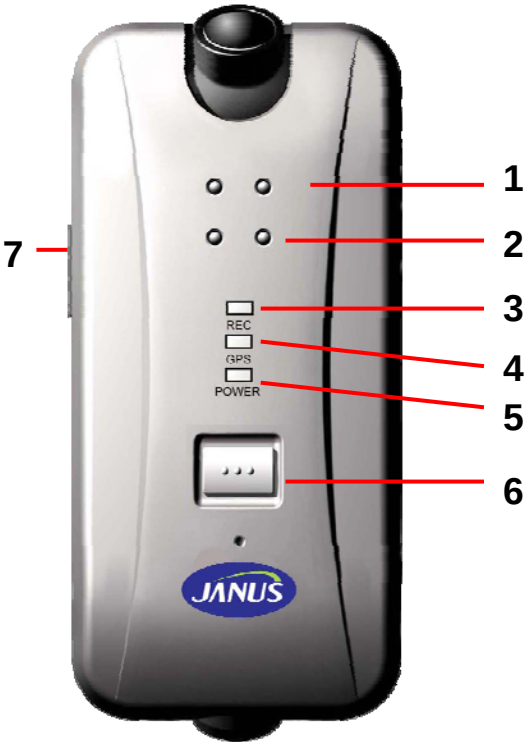
Bracket

GPS

User Manual and Install CD



If any of these items is missing or damaged, notify your dealer or installer immediately. Keep the packing utilities for moving or storage purposes afterwards.



1	IR LED	7	SDHC memory card insert
2	CDS sensor	8	Monitor connection
3	Recording LED	9	GPS connection
4	GPS LED	10	Channel switch button
5	POWER LED	11	Power cable connection
6	Emergency Button		

4. Product Specification

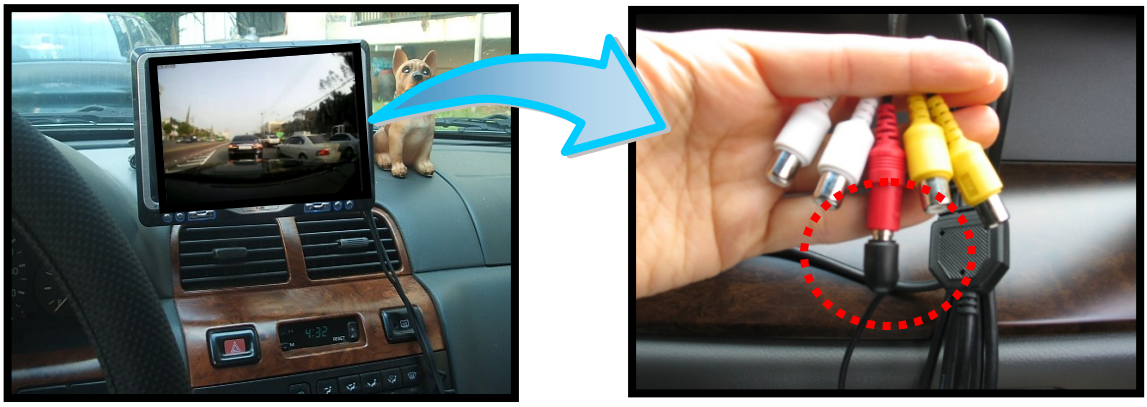
Contents	Specification
Camera	0.3 Mega Pixel CMOS
Lens	175° Wide Lens
Audio	Inner MIC
Emergency Button	Internal / External button
Sensor	G-Sensor (Outer GPS)
	Vibration Sensor installed (Impact detection)
Memory	SDHC
Power	DC 7 ~ 26V

Specifications	
Camera	2EA CMOS Built-in
Video Input	Digital 2ch built-in
Audio Input /Output	C- MIC built-in
Video Compression	H.264
Audio Compression	ADPCM
Recording Resolution	VGA 640X480, CIF 320 x 240
Recording Speed	Max.50fps (CH/25fps)
Emergency Event Switch	Urgent, event detect and recording
Vibration Sensor	Impact, event detect and recording
GPS Sensor	Over speed, sudden accelerate, detect and recording
Recording Media	SDHC memory (Max :32GB, Default 4GB)
Lens	Wide angle 175°
IR LED	850n 3PCS with CDS Sensor
Viewer	Windows Exclusive viewer
Power Supply	DC 7V~26V (enable Car Battery)
Operating Temperature	0°~55°C(maintain temperature: -45° ~ 85°C)
Relative Humidity	10~95% @40°
Weight	150g
Dimension (W x D x H)	65 (W) x 140 (D) x 30(H)mm

5. Installation Guide

1. Please insert SD memory card into JANUS V2 SD card slut and connect with bracket.

2. Connect with JANUS V2 'Video OUT' component to display monitor's (or Navigation LCD) 'Video INPUT' component. (Yellow is video, red is audio)



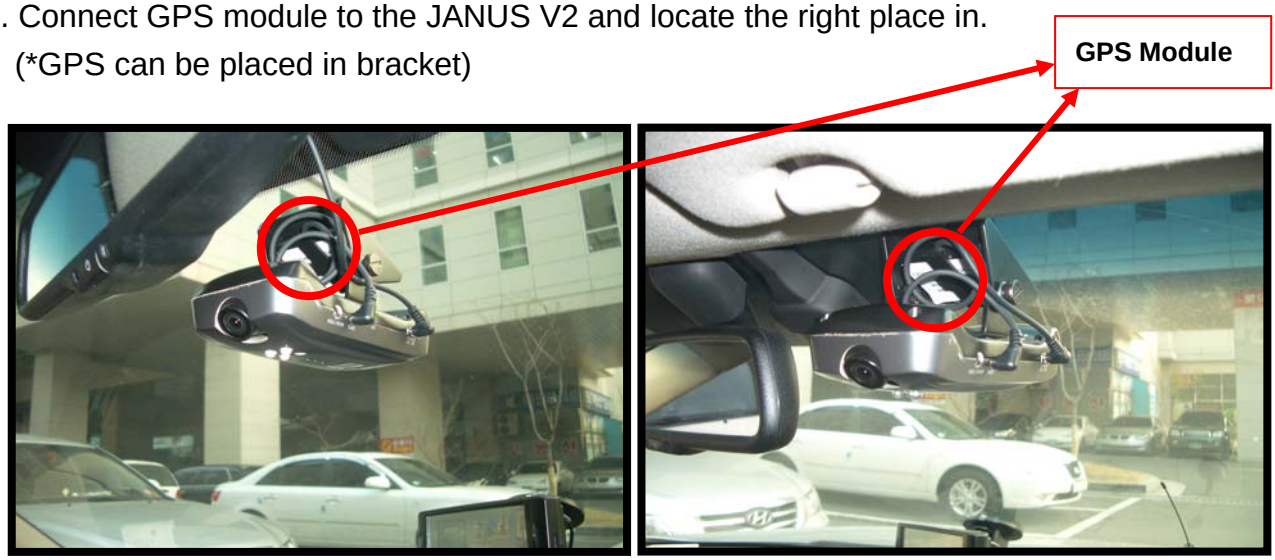
3. Connect with cigar power cable to JANUS V2 power Component (DC 7~26V) for operation the unit.

4. It takes about 15 seconds to booting and after that beep sounds will be continued.

   The images are showing on monitor and it Starts to recording
   (*JANUS V2 initially setup)

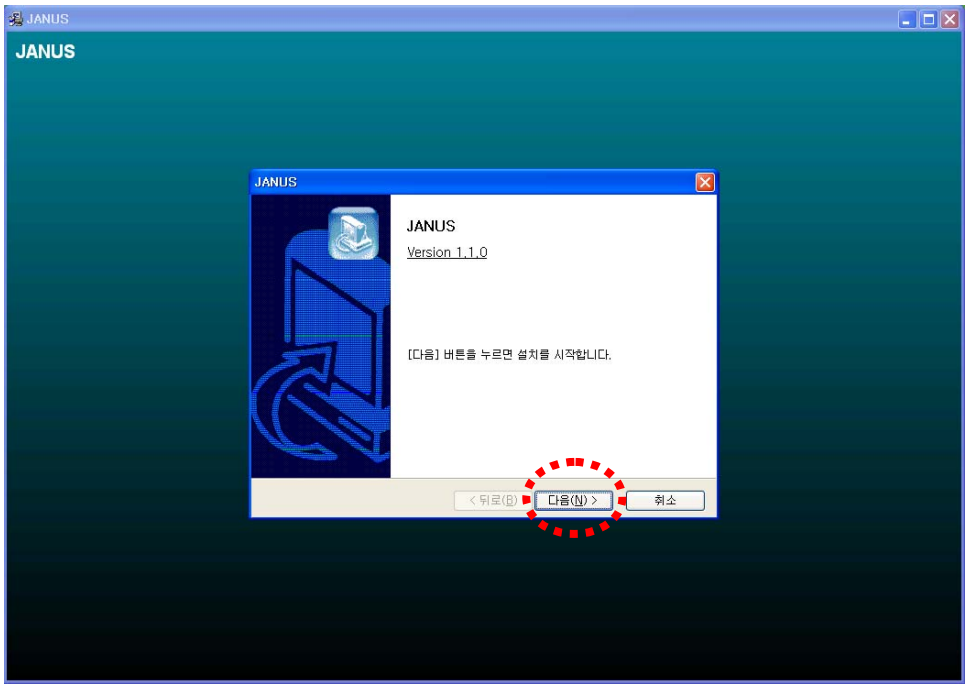
5. Please check the images from the monitor and try to find the right place to stick JANUS V2 on. (Sticker on the back of the bracket is very adhesively.)

6. Connect GPS module to the JANUS V2 and locate the right place in.
   (*GPS can be placed in bracket)

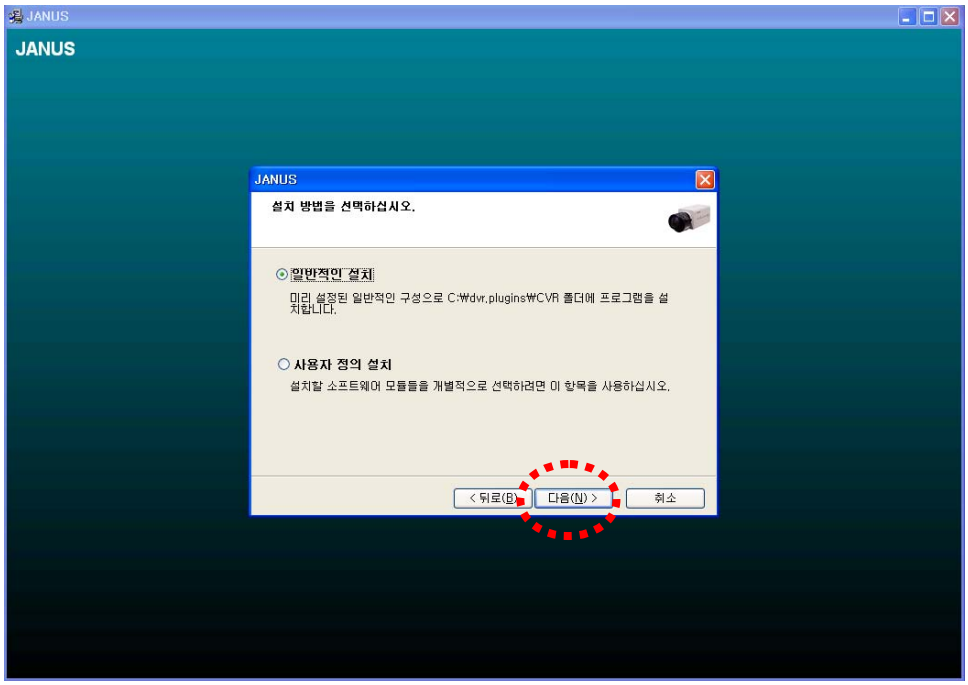


7. Connect external emergency button to JANUS V2 and locate external emergency button to near the driver's seat

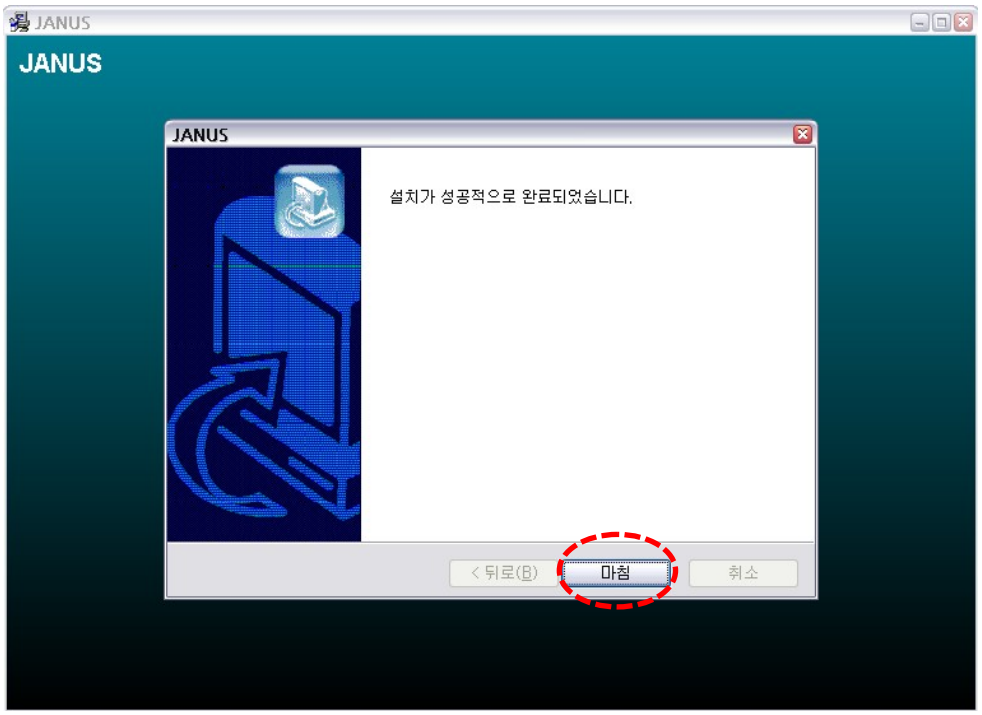
● JANUS V2 Viewer installation guide (Korean and English are provided)



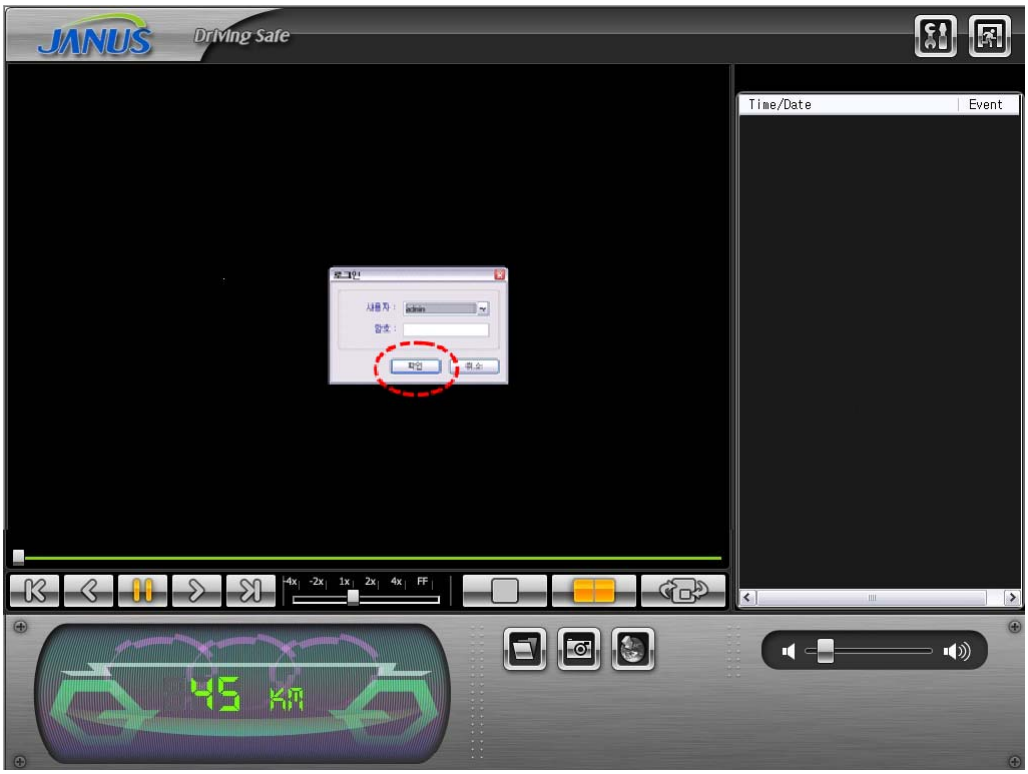
1. Run JANUS V2 EXE file from the Installation CD.



2. Click next for next step..



3. After finish the installation click JANUS V2 Icon on desktop.



4. Put ID and PASSWORD before using.

6. Exclusive Viewer (JANUS V2 Player)

1	Configuration	7	Open file
2	Close	8	Save Steal shot
3	File list	9	See E-map
4	Play button	10	Volume control
5	Auto-meter	11	Channel play mode button
6	Speed control bar		

6-1. Button Operation

6-1-1. Main buttons (1~5)

1. Open configuration

2. Close

3. Open recorded file

4. Saving steal cut image

5. Open map
(Location coordinates will be shown when you play the file)

6-1-2. Play buttons (6)

Move to first data

Play Backward

Pause

Play

Move to last data

PIP function

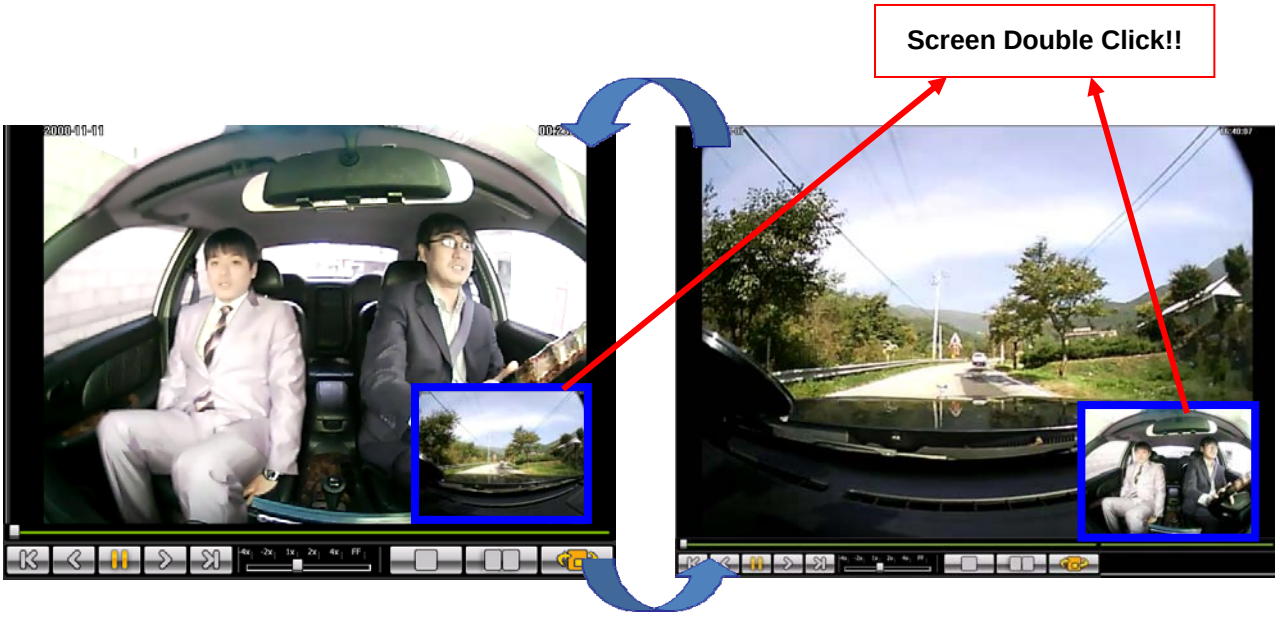
Play 640 x 480 modes each channel

Play 320 x 240 modes With 2 channel

6-1-3. Play Channel

Play 640 x 480 modes each channel

Play 320 x 240 modes with 2 channels

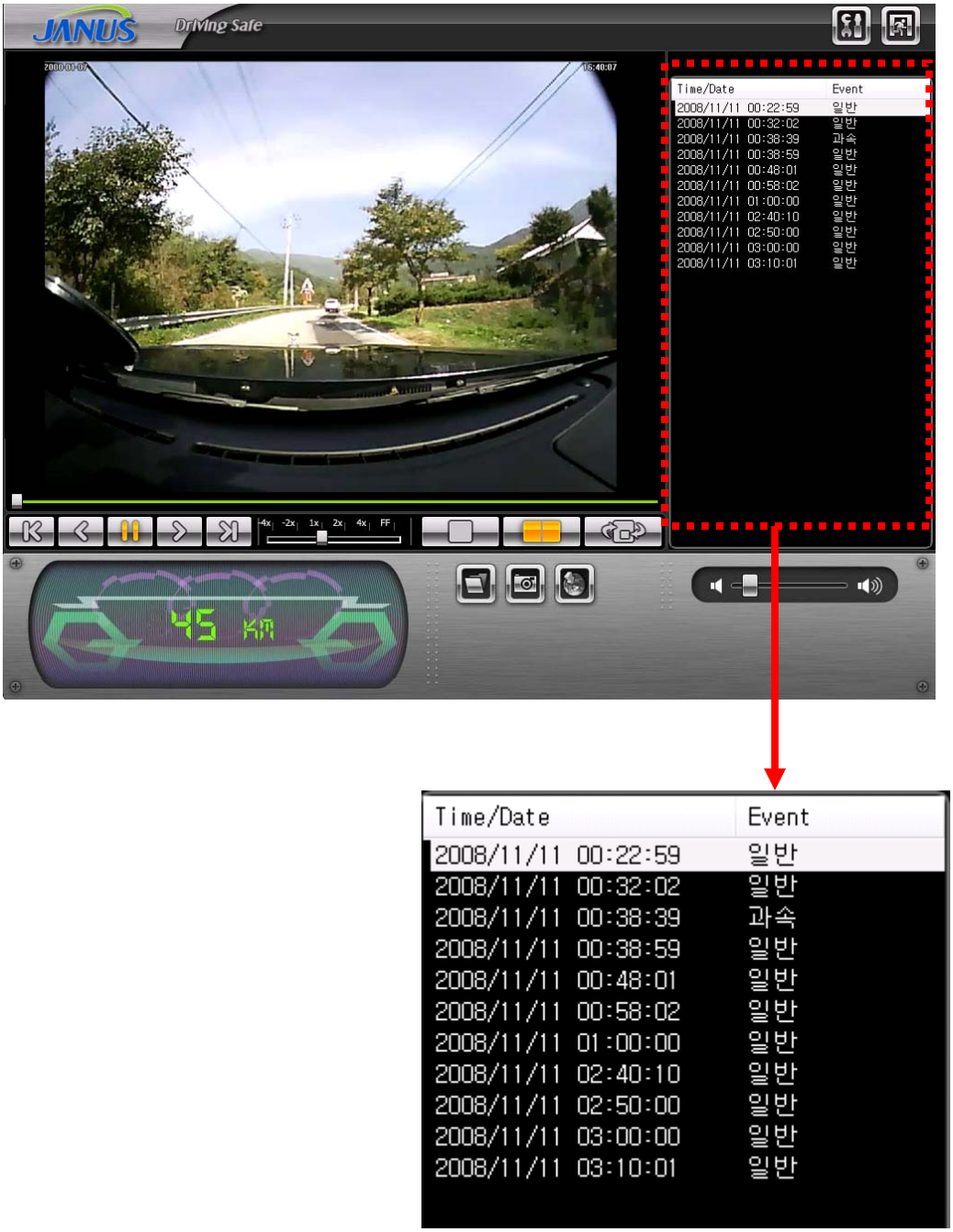


Channel No. 1 and No. 2 can be showing at the same time

When you double click on the image you can see full screen.

6-2. Play list

List will be shown event by each categories such as ‘Normal’ ‘ Emergency’ ‘Impact’ ‘Over speed’



Recorded files are marked as year/month/day/hour/minute/second.

6-3. Map Link

See E-map : E-map and location will be provided when click map button.

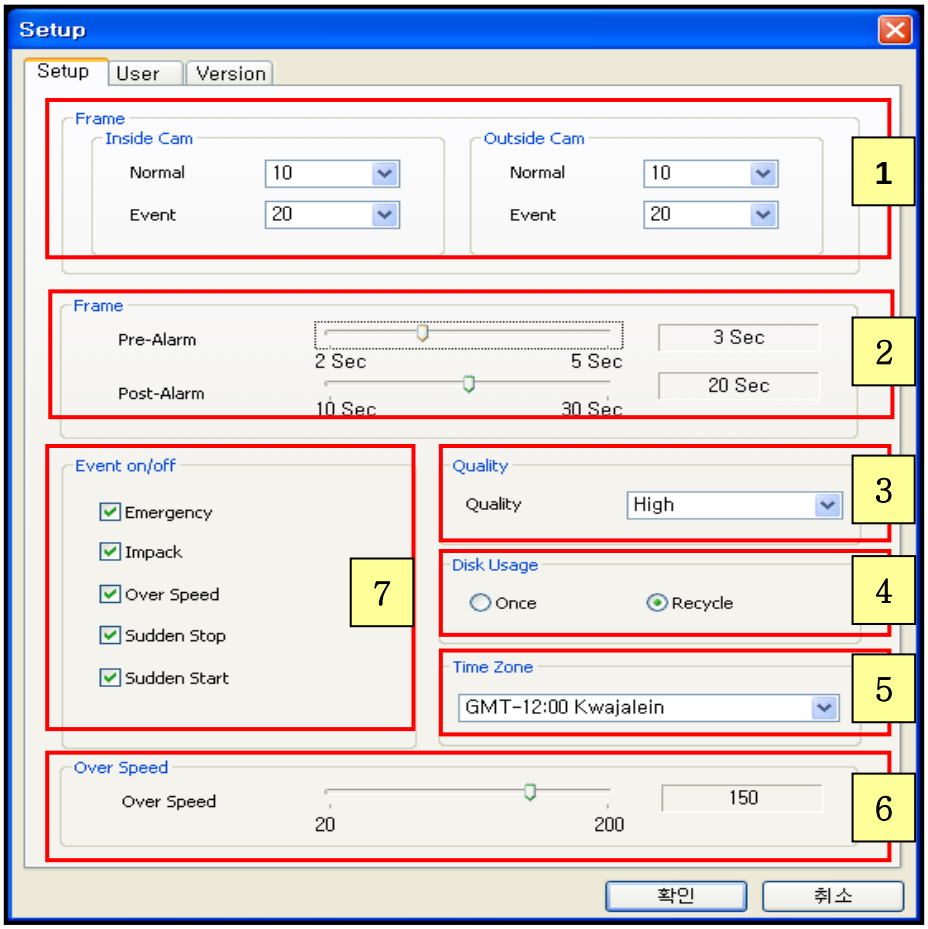
Whenever network is connected you can see an e-map (google map is provided)

6-4. Configuration

Open Configuration

JANUS V2 Version 1.0.0 must to choose the ‘system cfg’. file in order to open and change configuration

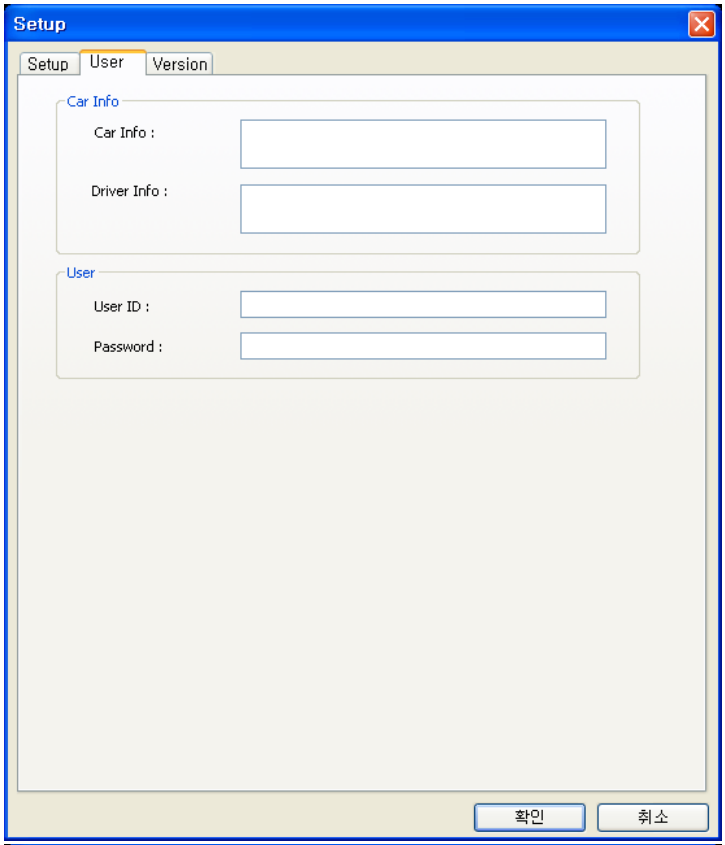
6-4-1. Setup



1. Frame : Setup recording frames (Available setup for each channel)

2. Event frame : Setup frames of event occurs. (Pre-Alarm and Post Alarm)
   Pre-Alarm – 2 ~ 5 seconds to adjustable before event.
   Post-Alarm – 10 ~ 30 seconds to adjustable after event.
3. Quality : Recording Quality control
4. Disk Usage : Setup the disk usage
   Once – If the SD memory card is full, stop recording forward.
   Recycle – If the SD memory card is full, start to over write from the beginning.
5. Time Zone : Set up time zone by each country.
6. Over speed setup : setup over speed limits.
7. Event on/off : Activate event setting by types such as emergency, impact, Over speed, sudden brakes and sudden accelerate.

6-4-2. User configuration

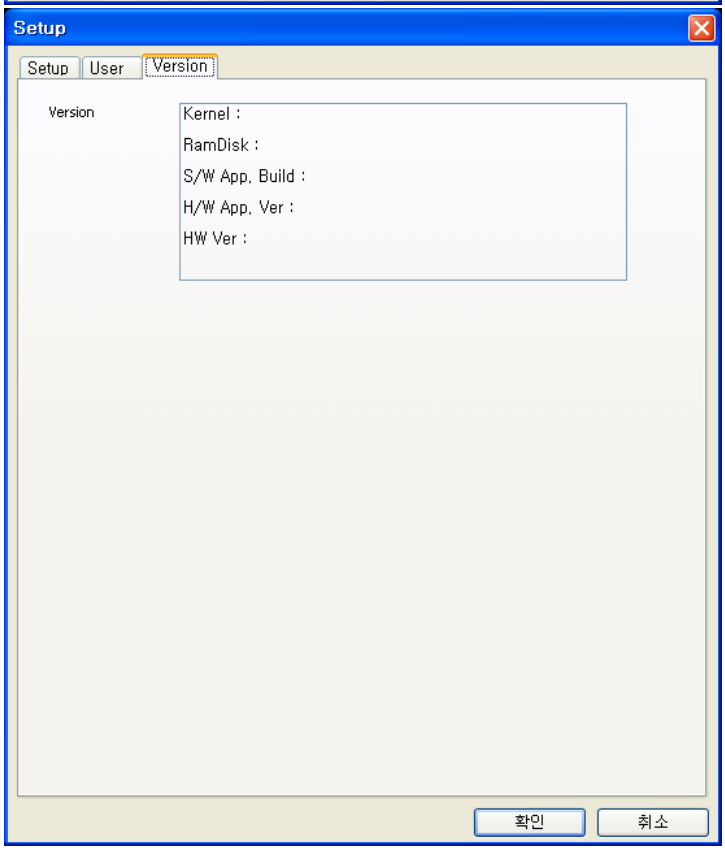


1. Car Info :
   Vehicle's information

2. Driver Info:
   Driver's information

3. User ID :
   JANUS V2 user ID

4. Password:
   JANUS V2 user password.



5. Version :
   JANUS V2 Version information

7. Firmware upgrade

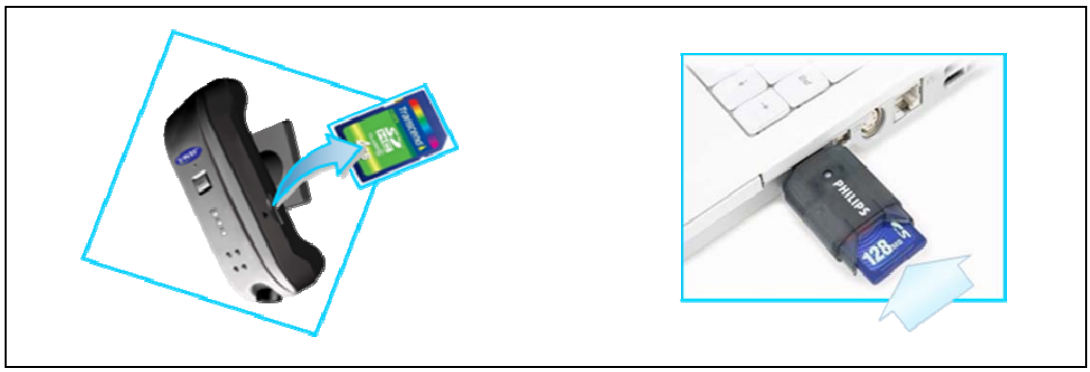
All the JANUS V2 upgrades and configuration are automatically upgrade by SD memory card.

Firmware upgrade

Please visit (www.JANUS V2page.com) and download the firmware.
(www.JANUS V2page.com -> Support -> JANUS V2 support -> Download)

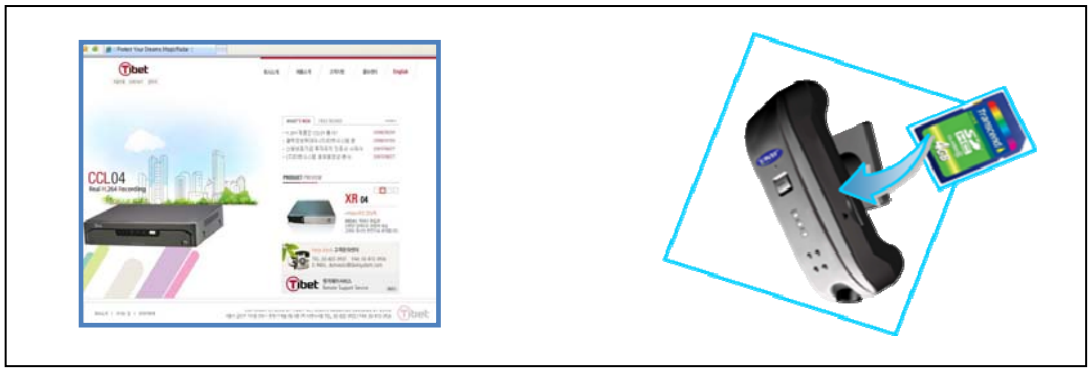
1. Take out SD memory card From, the JANUS V2.

2. Insert SD memory card to PC



3. Download the files from the website. Copy firmware file to the SD memory card.

4. Insert SD memory card to JANUS V2. It will automatically upgrade

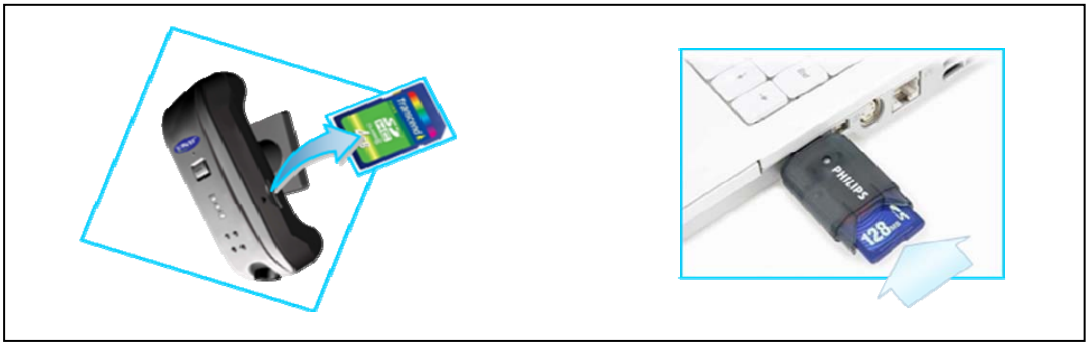


8. Setup

Changed setup will be applied when the JANUS V2 is boot up.

1. Take out SD memory card from the JANUS V2

2. Insert SD memory card into PC



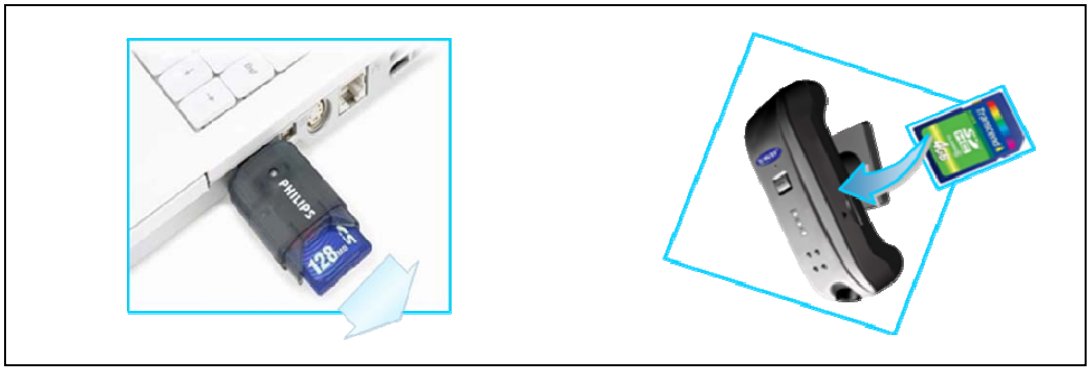
3. Run JANUS V2 Viewer

4. Changing the setting on configuration

t

5. Close JANUS V2 viewer and take out the SD memory card from the PC.

6. Insert SD memory card into JANUS V2 and boot up



9. User Directions

- Insert SD Memory card first before Starting JANUS V2.

- Be sure disconnecting power cable before takes out the SD card from the JANUS V2.

(It might be a cause of damage if SD memory card get out in sudden when power on)

- Be sure backup the data before over written data. JANUS V2 will be overwritten when the memory is full.

Caution and Warning

Caution:

Any changes or modification in construction of this device which are not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class a digital device, purchase to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warning:

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.